# **BookletChart**<sup>TM</sup>

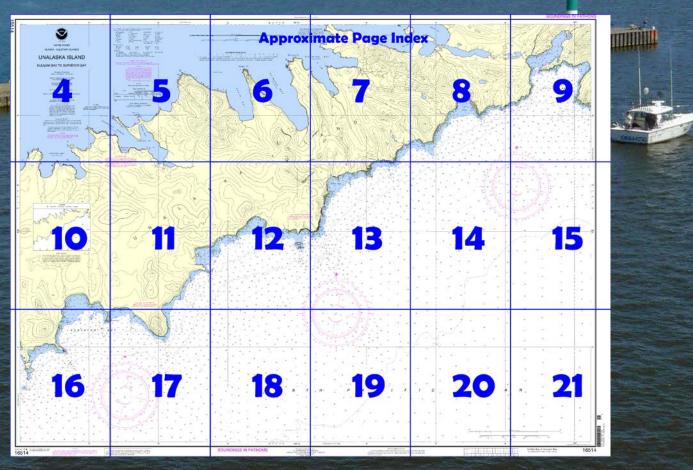
# NORA TIMENT OF COUNTRY OF COUNTRY

# Unalaska Island – Kuliliak Bay to Surveyor Bay

A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



### Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

### What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

### What is a BookletChart<sup>™</sup>?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

### **Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd/searchbychart.php?chart=165">http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=165</a> <a href="http://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa



(Selected Excerpts from Coast Pilot)
Kuliliak Bay indents the SE coast of
Unalaska Island immediately to the W of
Eagle Point. The bay is divided by a narrow
ridge of land into two parts, forming an
outer bay and a well-protected inner bay.
The end of this narrow ridge of land,
Repetition Point, is the E point of the
entrance to the inner bay.

A chain of low, black rocks extends 325 yards offshore in a SW direction from the SW corner of Eagle Point and marks the E

side of the entrance to outer Kuliliak Bay. A shoal, covered 18 fathoms, 0.8 mile from shore, extends SW from the outer rock of this group.

Outer Kililiak Bay is open to the S. The shores are characterized by rock cliffs, except at the head of the deep bight which forms the NE part of the outer bay. At the head of this bight is a sand beach and a valley passes N of Eagle Point into Eagle Bay. Anchorage in 13 to 14 fathoms may be had at the opening of the bight, with some protection in SE weather and good protection in N and NW weather.

A reef, with the outer part of it awash at half-tide, makes out from the center of the N shore of outer Kililiak Bay, and a shoal covered 8 fathoms extends 330 yards S from the reef. Otherwise the bottom of the outer bay is very even, decreasing in depth very gradually from 30 fathoms at the entrance to 12 fathoms at an average distance of about 200 yards off the N shore.

Inner Kililiak Bay affords good shelter E of Nest Rock in 7 fathoms in all weather. The entrance is about 500 yards wide between the cliffs 200 feet high on the W side and on the steep tip of Repetition Point on the E side

Dome Rock, the outer rock of a conspicuous group that extends 120 yards SW from Repetition Point, is a good landmark on the E side of the entrance to the inner bay; the rock is about 30 feet wide and 5 feet high. Along the W shore of the entrance to inner Kuliliak Bay, flat reefs, rocks awash, covered rocks, and heavy kelp form a fringe some 200 yards wide. In this area is a large black rock, part of which rises to a sharp point 10 feet above high water, 75 yards out from the base of the shore cliff. About 160 yards NE from this large, black rock and 180 yards offshore is Perch Rock, a small, black rock about 1 foot high and surrounded by kelp.

**Trava Point** is a small, flat, grassy point on the S side of inner Kuliliak Bay and 0.5 mile NE of the entrance. **Nest Rock** is a small, grass-covered rock island, 15 feet high and 0.9 mile NE of the entrance. **Williwaw Point** is a low, sandy point 0.3 mile beyond Nest Rock. A cascade is 0.5 mile inland from the head of the bay.

The W shore of the inner bay is a curving, pebble beach fronting a low, grassy bluff. A low, wide valley, through which fog often drifts and winds always draw in N and W weather, extends across Unalaska Island to Kashega Bay. The W and NW shores of the inner bay, E of Nest Rock, are lined with low reefs, rocks awash and covered, and heavy kelp for a distance of 100 to 300 yards offshore. A rock, awash at half tide and surrounded by kelp, is 300 yards off the N shore directly N of the entrance. A fringe of heavy kelp, 50 yards wide, lines the S shore from the entrance to Trava Point.

Proceeding to sheltered anchorage inside the inner bay, the controlling depth is 4½ fathoms after passing the entrance. A channel with this depth is close to the SE shore of the bay and just outside a heavy fringe of kelp along the NW shore of Repetition Point. On the N side of this channel the water shoals very gradually to the opposite side of the bay. NE of Trava Point the water deepens and the bottom is flat. In N and W weather violent williwaws occur in the head of inner Kulikiak Bay, above Williwaws Point. In S weather short seas, almost breaking

In N and W weather violent williwaws occur in the head of inner Kulikial Bay, above Williwaw Point. In S weather short seas, almost breaking across the entrance, make it difficult to enter.

W of Kililiak Bay the country is less rugged; the peaks are lower and are separated by wide valleys. In the spring and early summer the snow disappears from all the peaks to the W, while in the area E of Kuliliak Bay many peaks remain snow-covered throughout the summer. From Kulikiak Bay the shore trends SW for 11 miles to Lance Point. Rocky ledges extend some distance off the intervening points.

# U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Juneau Commander

17th CG District (907) 463-2000

Juneau, Alaska

### prrected through NM Nov. 22

Mercator Projection

Scale 1:40,000 at Lat 53° 20'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 3° from the normal priation have been observed at Huddle Rocks and at Lance Point.

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 6° from the normal variation have been observed at Cape Aiak.

revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District

Refer to charted regulation section numbers.

### WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

### AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey.

### HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent

### PROHIBITED AREA

Unalaska Island is a Naval Defense Sea Area and Airspace Reservation. No vessels or aircraft, except those

Airspace reservation. No vessels or circraft, except those authorized by the Secretary of the Navy, shall be navigated in or above the area within the three-mile limit.

The restriction imposed upon the use of the Naval Airspace Reservation has been suspended subject to reinstatement without notice at any time.

ast Guard facility if telephone communication is impossible (33)

The contour lines are hill shapes, sketched to afford the navigator a generalized indication of the character of the

This nautical chart has been designed to promote safe navigation. The Nati in Service encourages users to submit corrections, additions, or comment bying this chart to the Chief, Marine Chart Division (N/CS2), National Occe, NOAA, Silver Spring, Maryland 20910-3282.

COLREGS, 80.1705 (see note A) ernational Regulations for Preventing Collisions at Sea, 1972. e entire area of this chart falls seaward of the COLREGS Demarcati

Additional information can be obtained at nauticalcharts.noaa.gov.

average of 3.151" southward and 6.771" westward to agree with this chart.

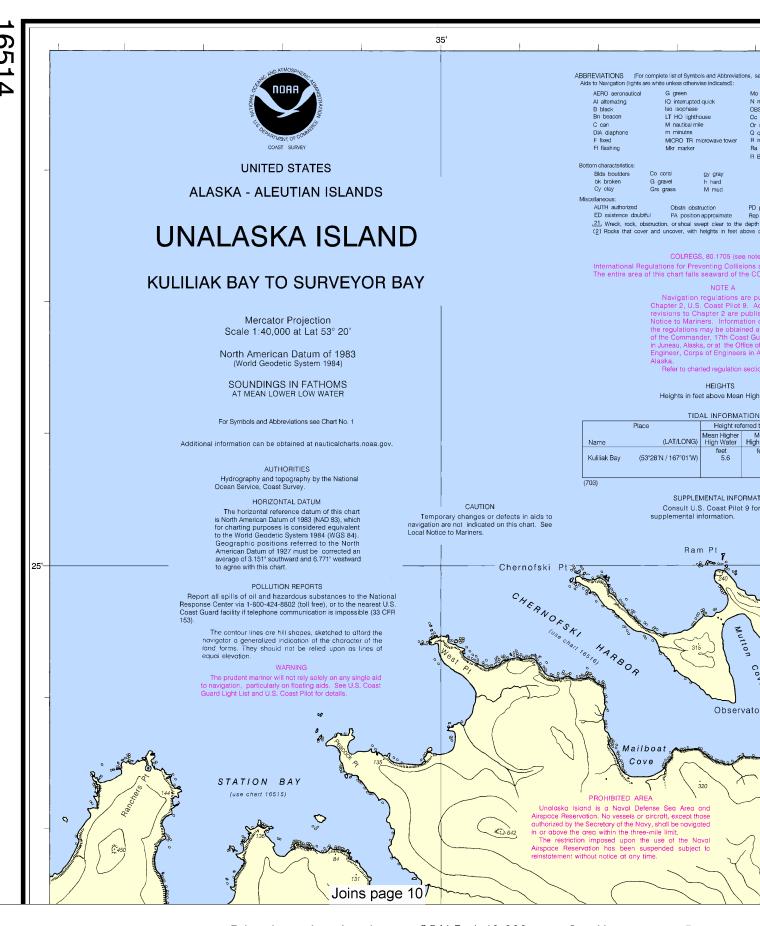
POLLUTION REPORTS

### **Table of Selected Chart Notes**

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.) Aids to Navigation (lights are white unless otherwise indicated): AERO aeronautical Mo morse code R TR radio tower G green
IQ interrupted quick
Iso Isophase
LT HO lighthouse
M nautical mile
m minutes Al alternating N nun Rot rotating OBSC obscured
Oc occulting
Or orange s seconds
SEC sector
St M statute miles
VQ very quick
W white B black Bn beacon C can DIA diaphone Q quick R red MICRO TR microwave tower FI flashing Mkr marker Ra Ref radar reflector WHIS whistle R Bn radiobeacon Bottom characteristics: Blds boulders bk broken Cy clay Oys oysters Rk rock Co coral gy gray h hard M mud G gravel S sand Grs grass sy sticky Miscellaneous: AUTH authorized Obstn obstruction PD position doubtful ED existence doubtful PA position approximate Reprepende 21. Wreck, rock, obstruction, or shoal swept clear to the depth indicated.

(2) Rocks that cover and uncover, with heights in feet above datum of soundings. PD position doubtful Subm submerged

TIDAL INFORMATION						
	Place		Height referred to datum of soundings (MLLW)			
	Name	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	Kuliliak Bay	(53°28'N / 167°01'W)	feet 5.6	feet 5.0	feet 1.5	feet -3.0
	(703)					



Note: Chart grid lines are aligned with true north.

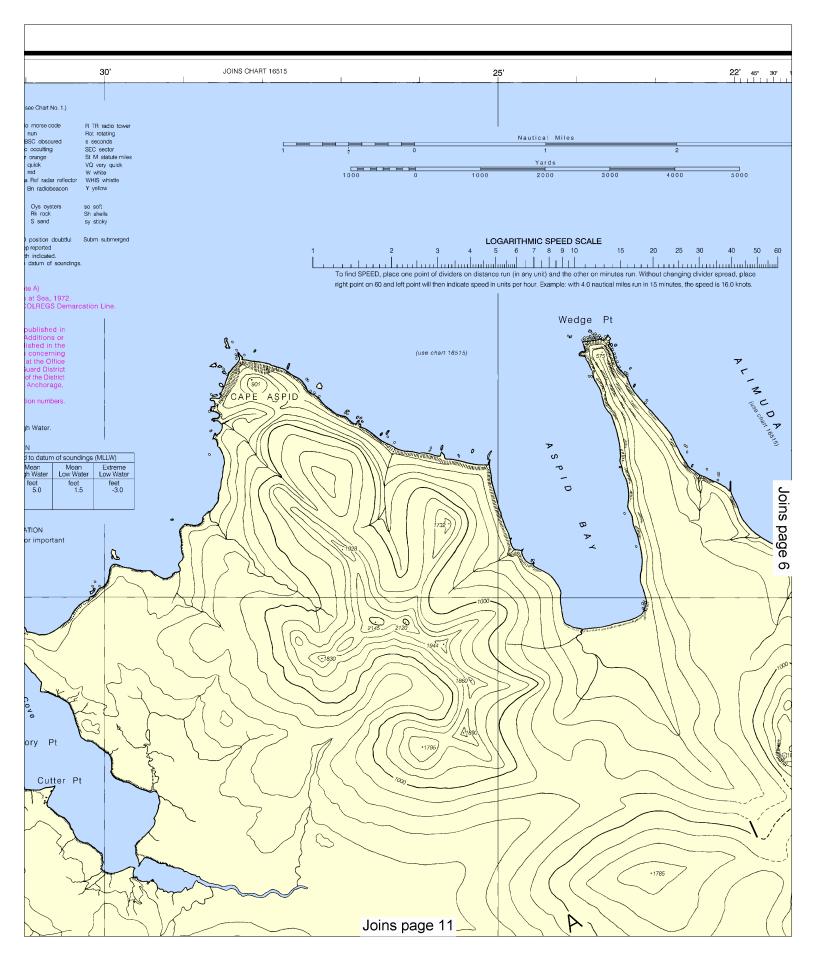
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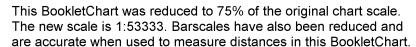
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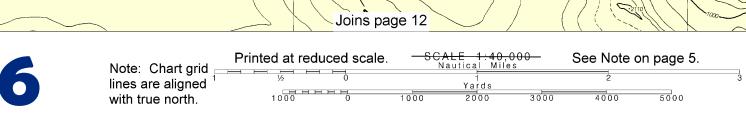
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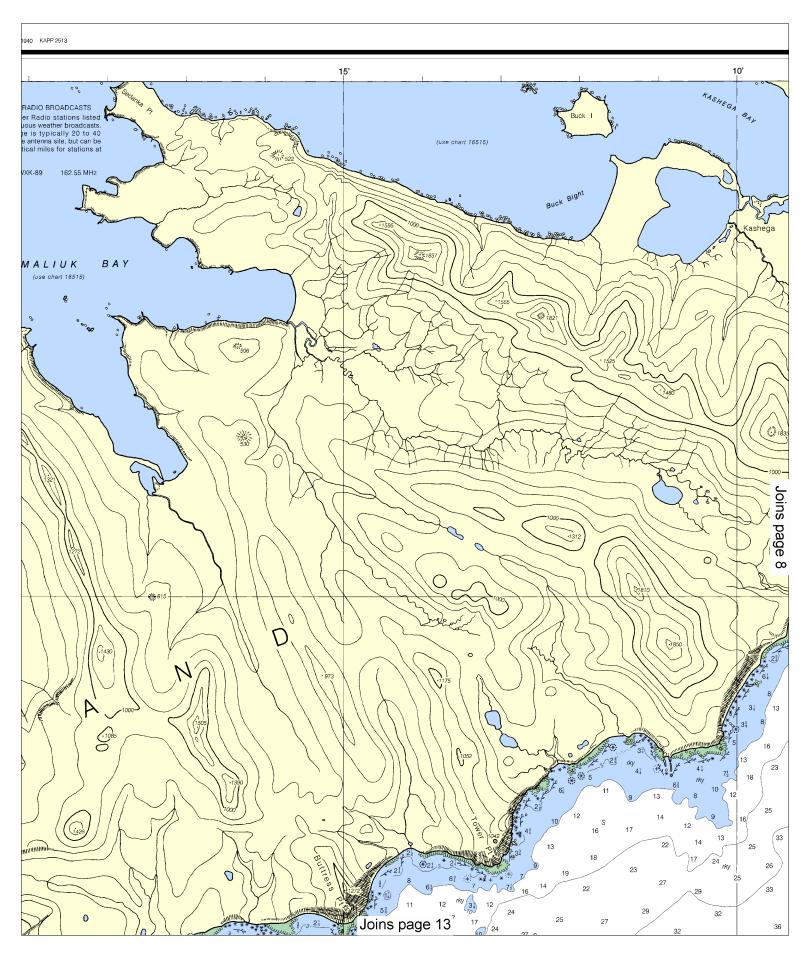
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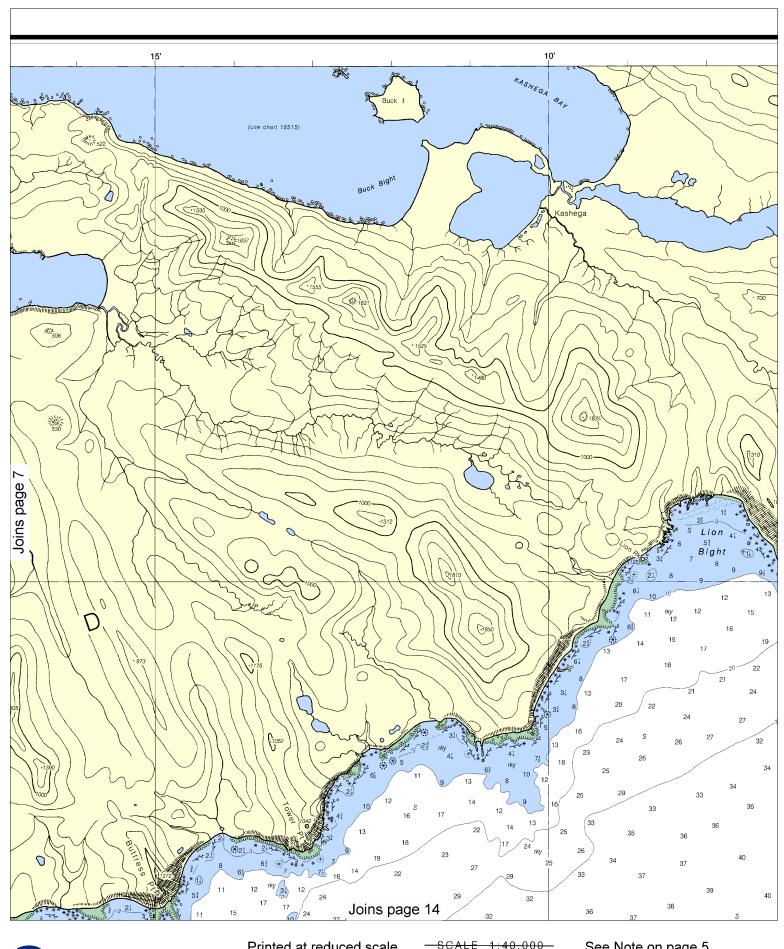












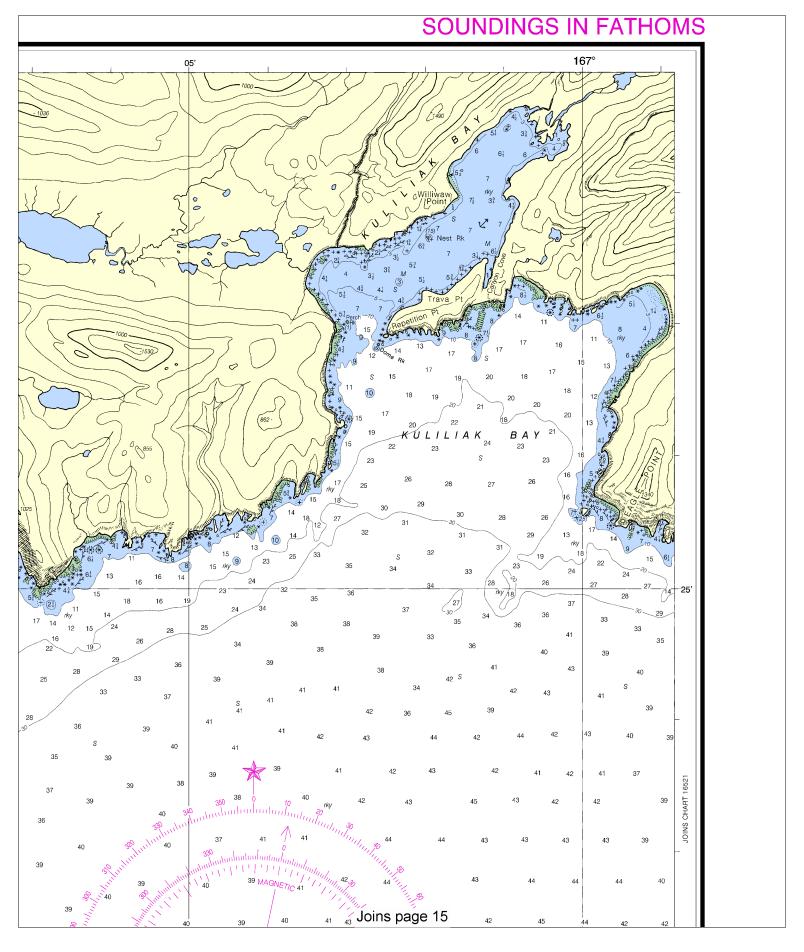
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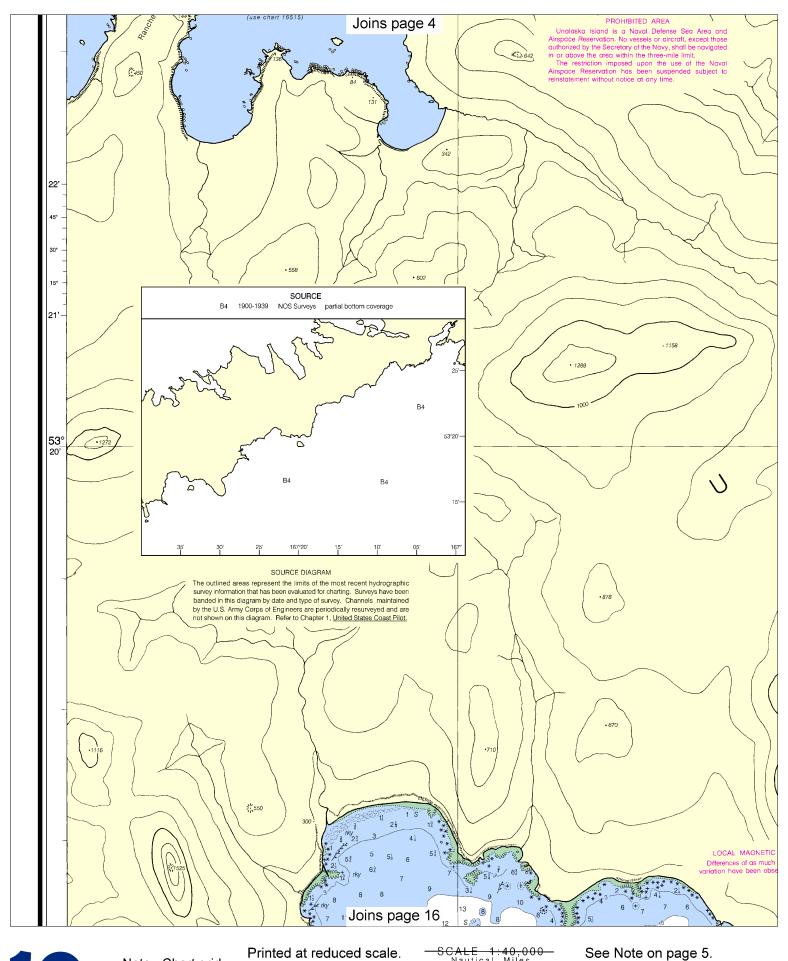
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Nautical Miles

Yards

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Note: Chart grid lines are aligned with true north.

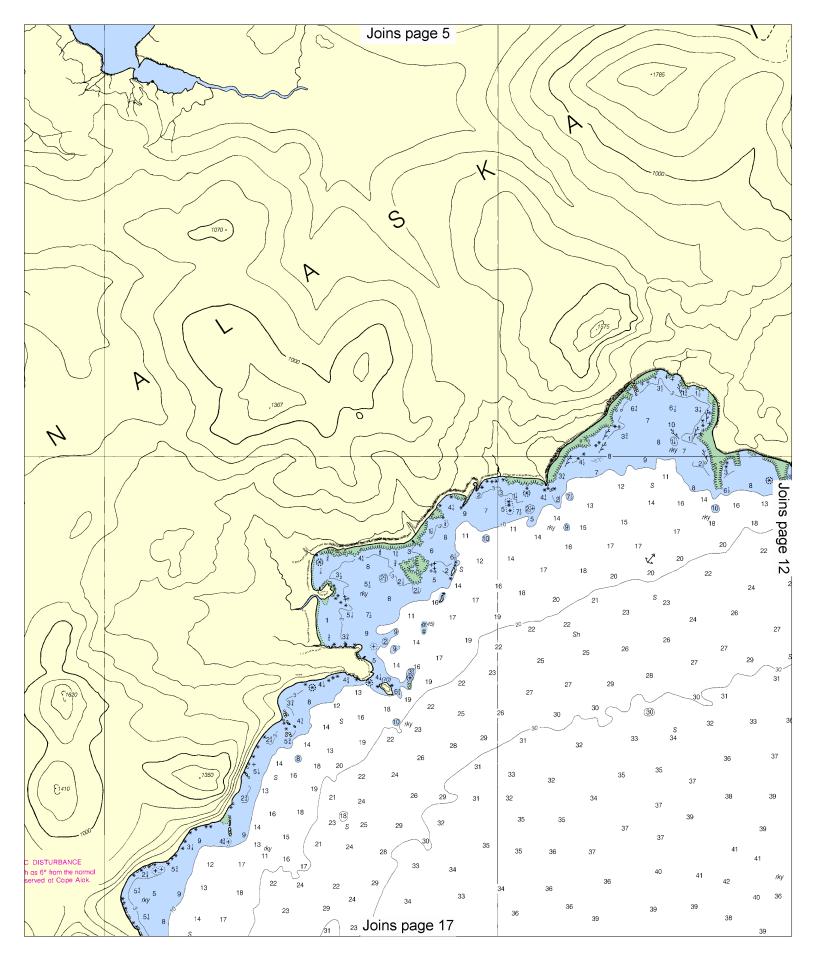
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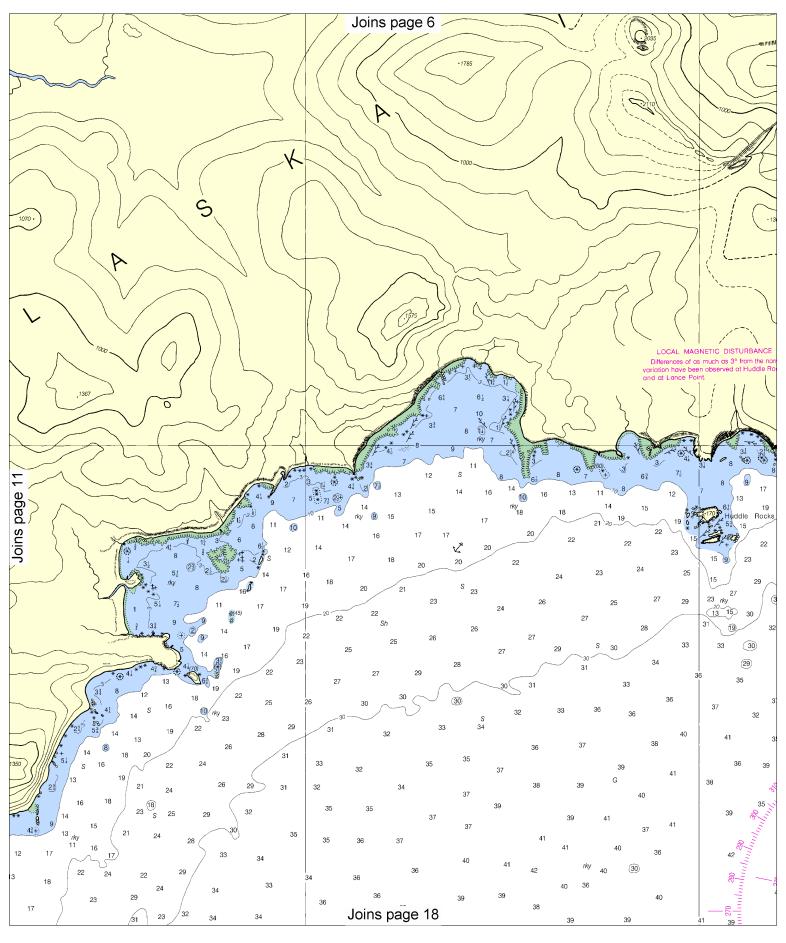
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Nautical Miles

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Note: Chart grid lines are aligned with true north.

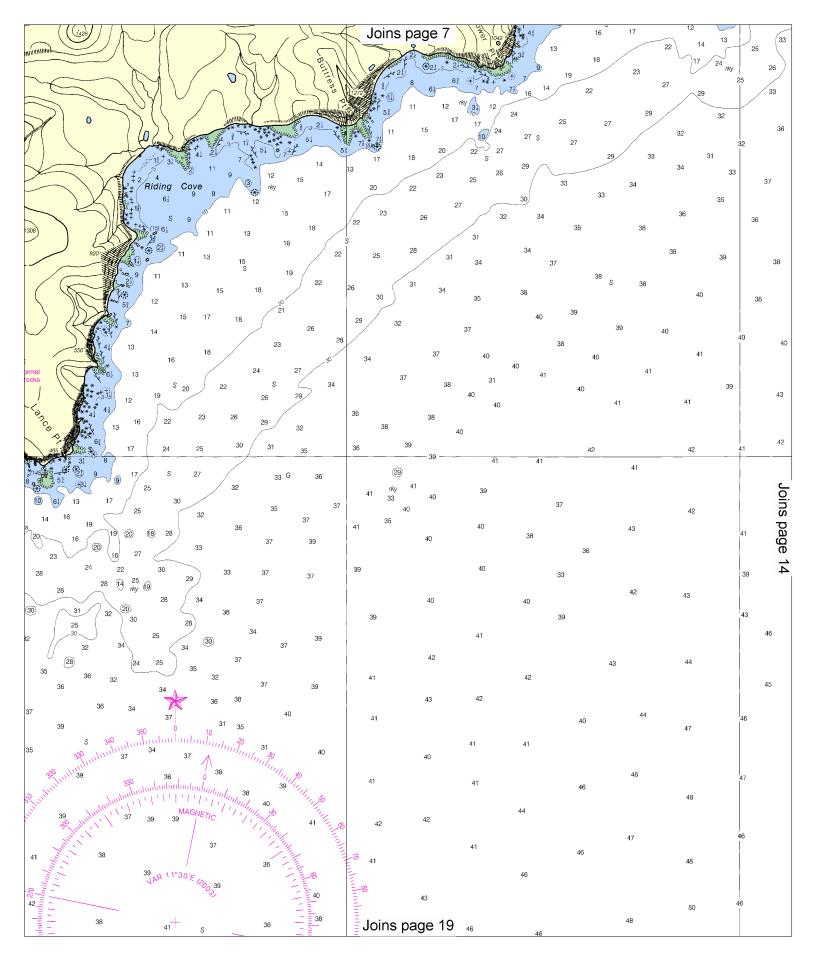
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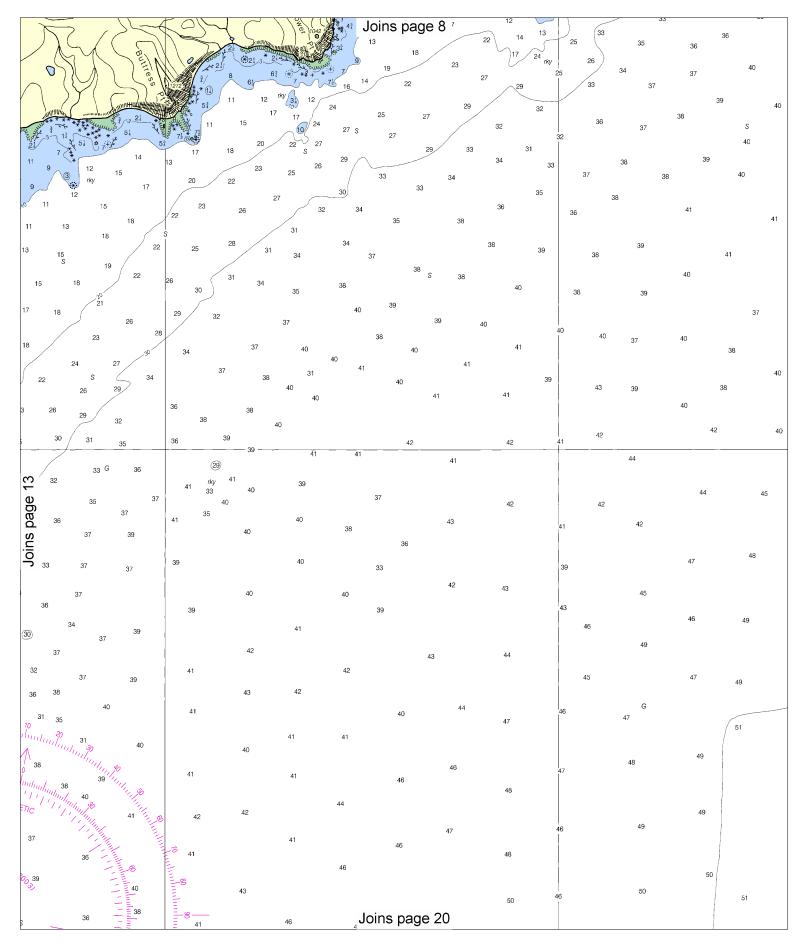
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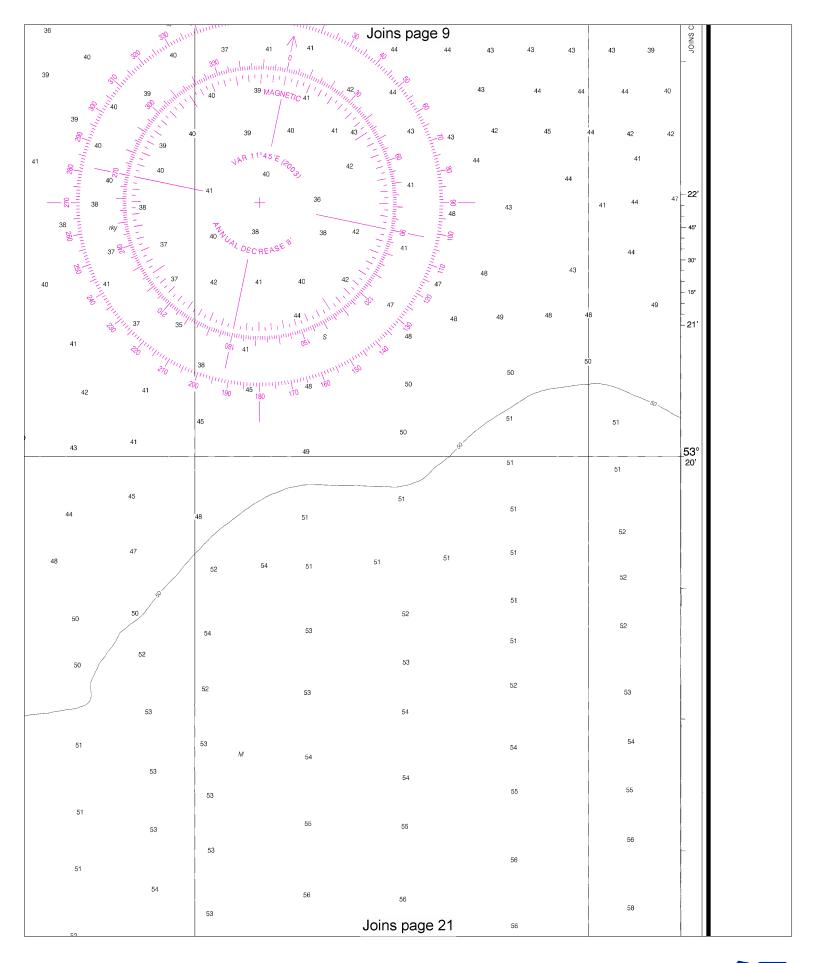
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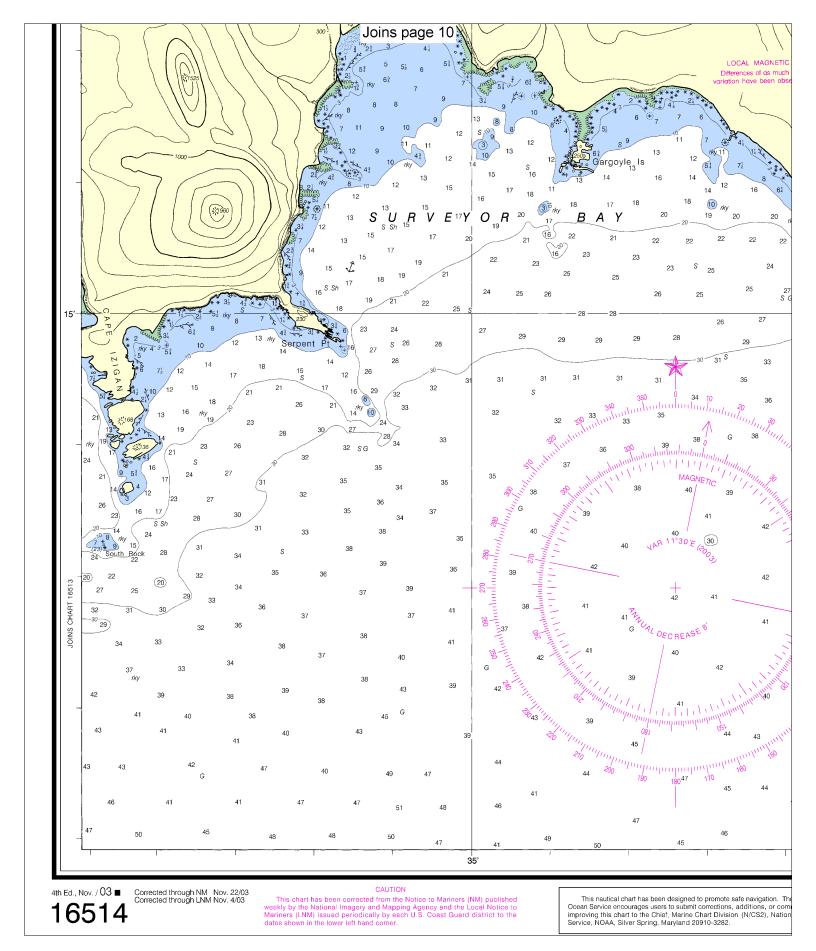
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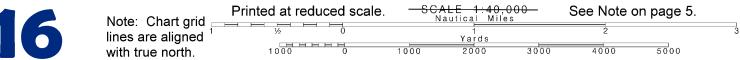
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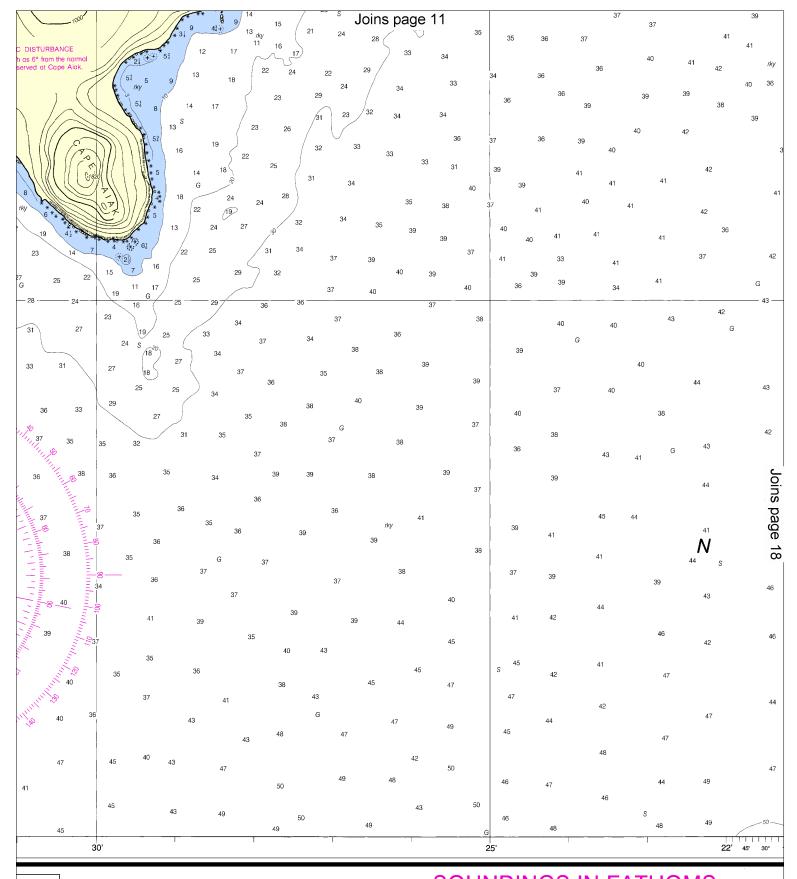




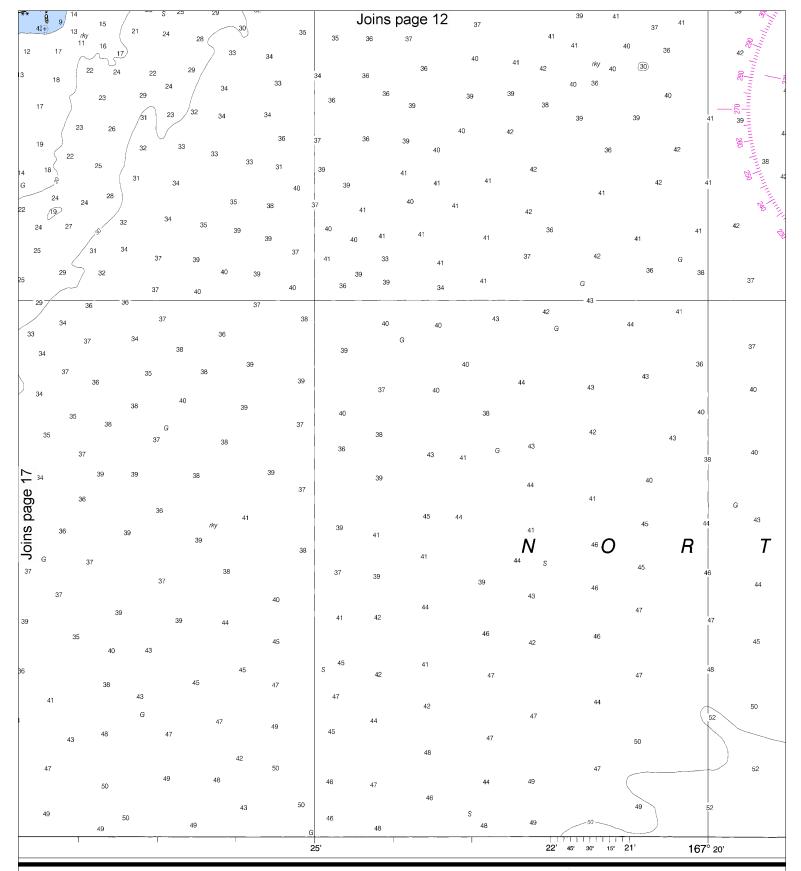








SOUNDINGS IN FATHOMS



## **SOUNDINGS IN FATHOMS**

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COAST SURVEY

18

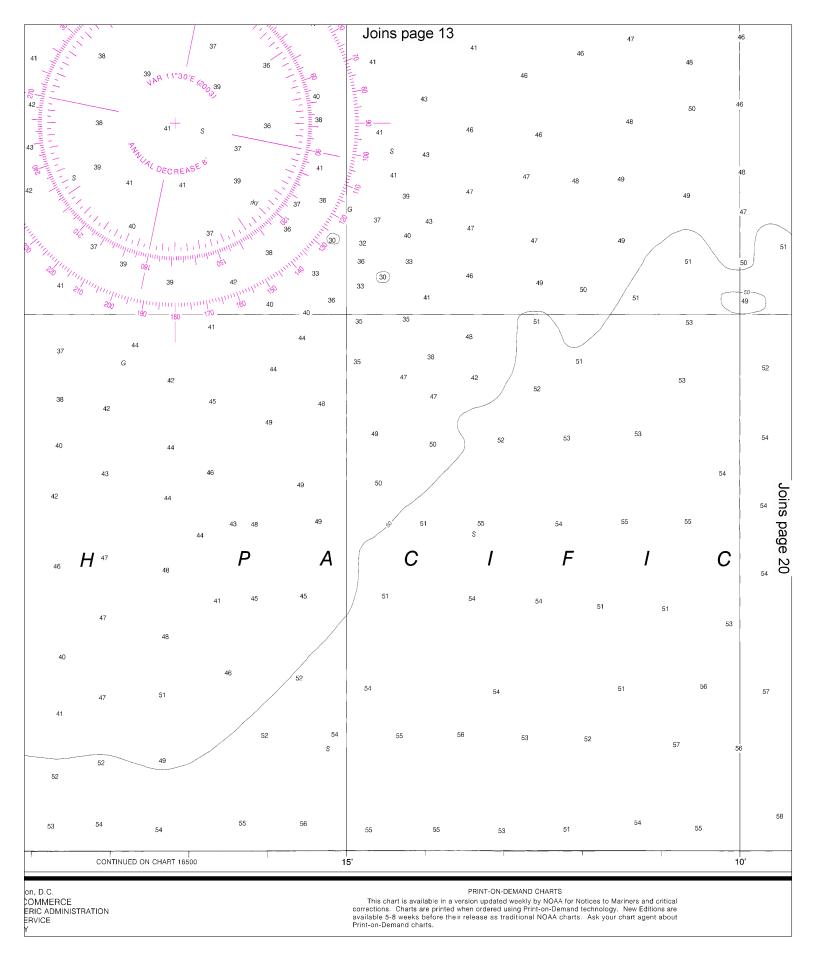
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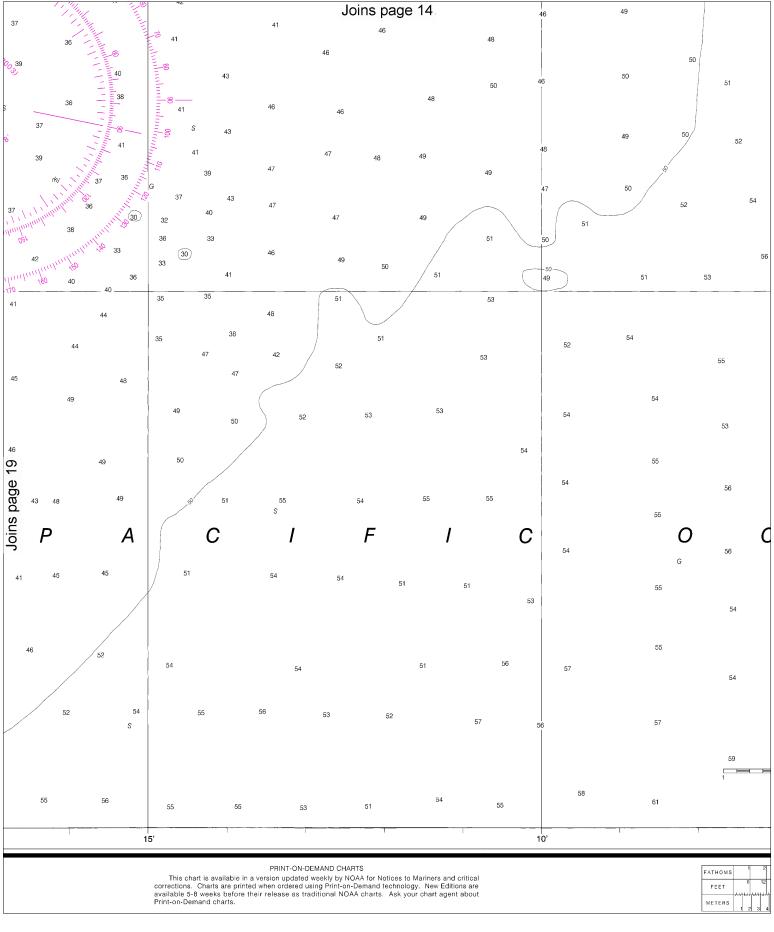
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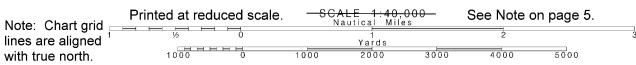
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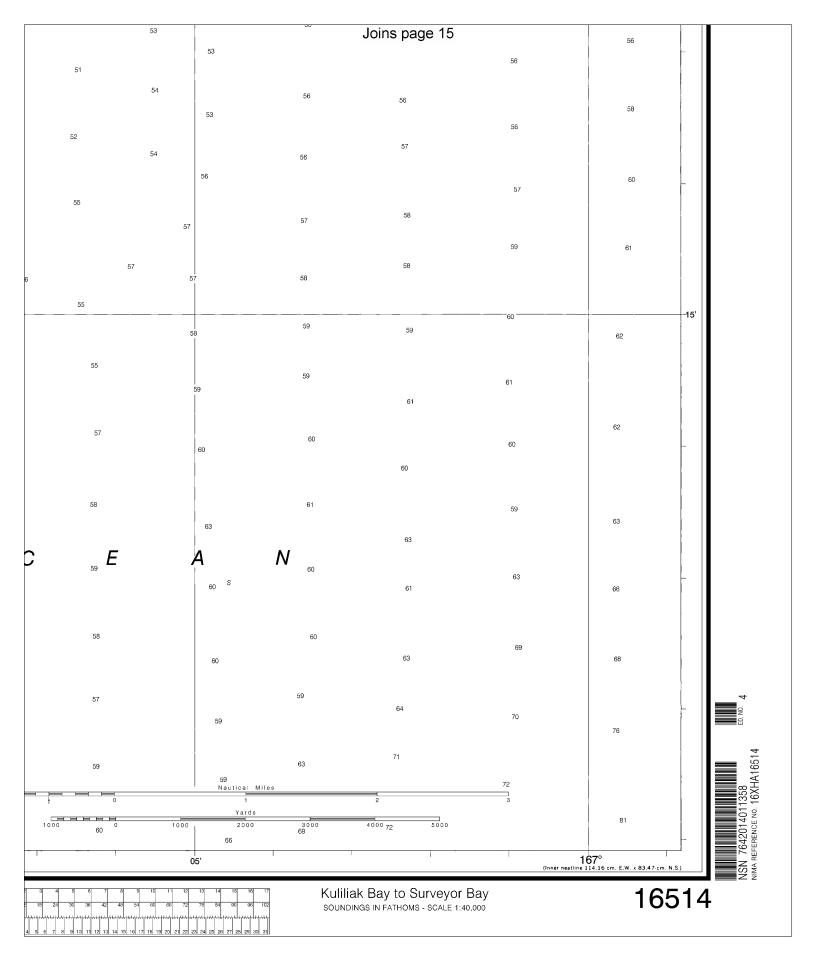
Yards

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### VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

### **Distress Call Procedures**

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

### **Quick References**

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Online chart viewer — <a href="http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html">http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html</a>

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Chart and chart related inquiries and comments — http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

Chart updates (LNM and NM corrections) — http://www.nauticalcharts.noaa.gov/mcd/updates/LNM\_NM.html

Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



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